

FIG. 1

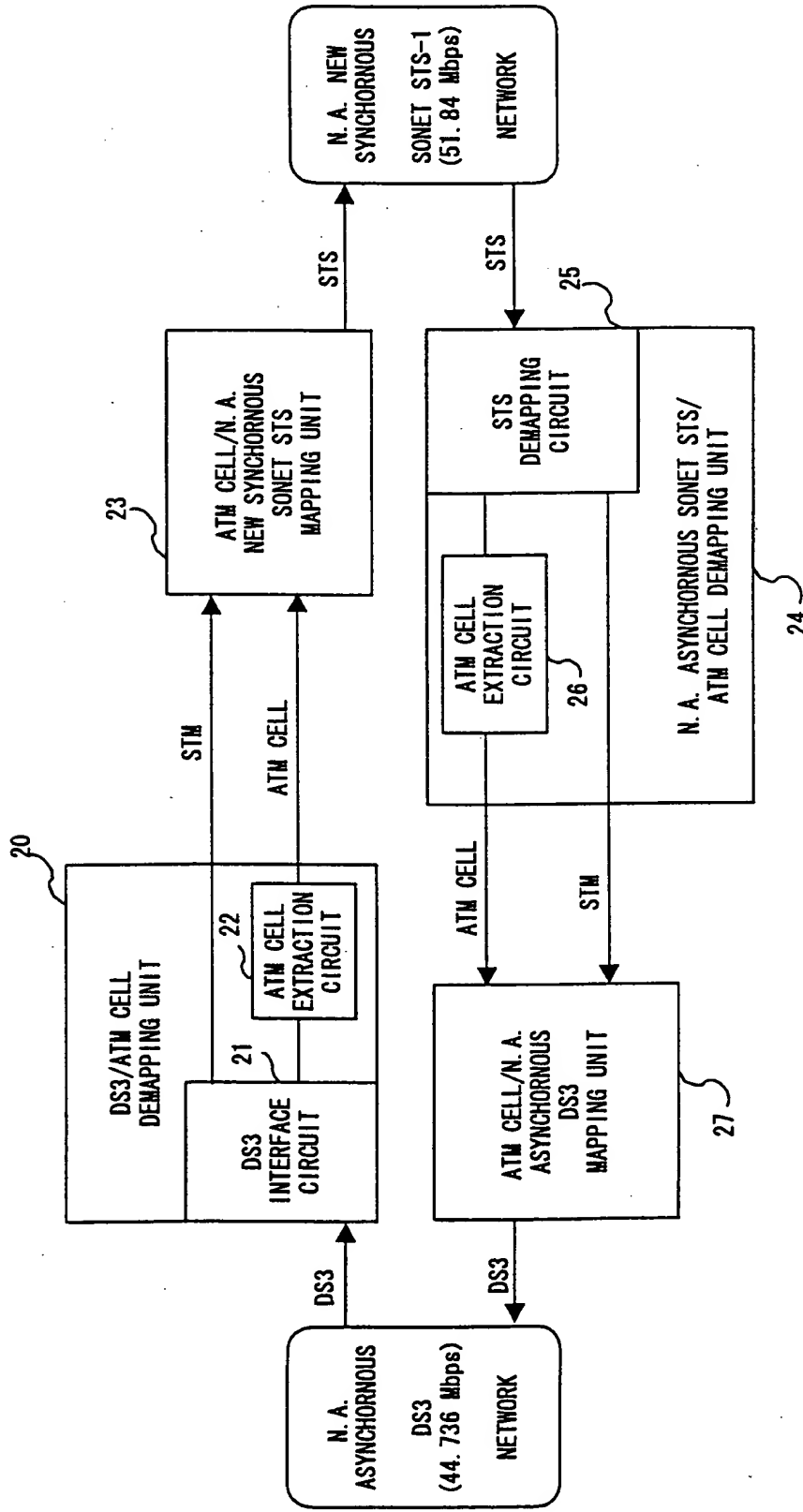


FIG. 2

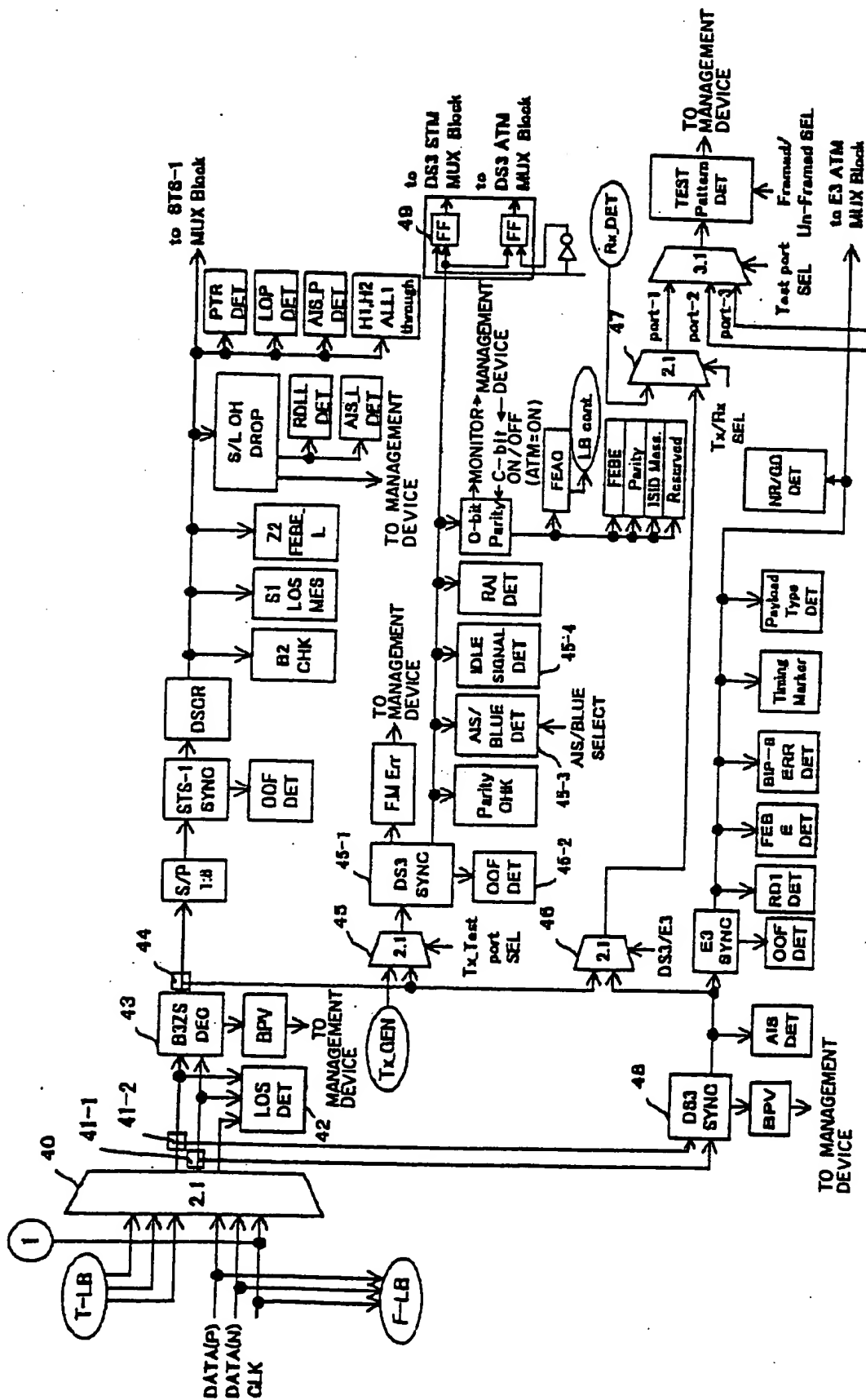


FIG. 4

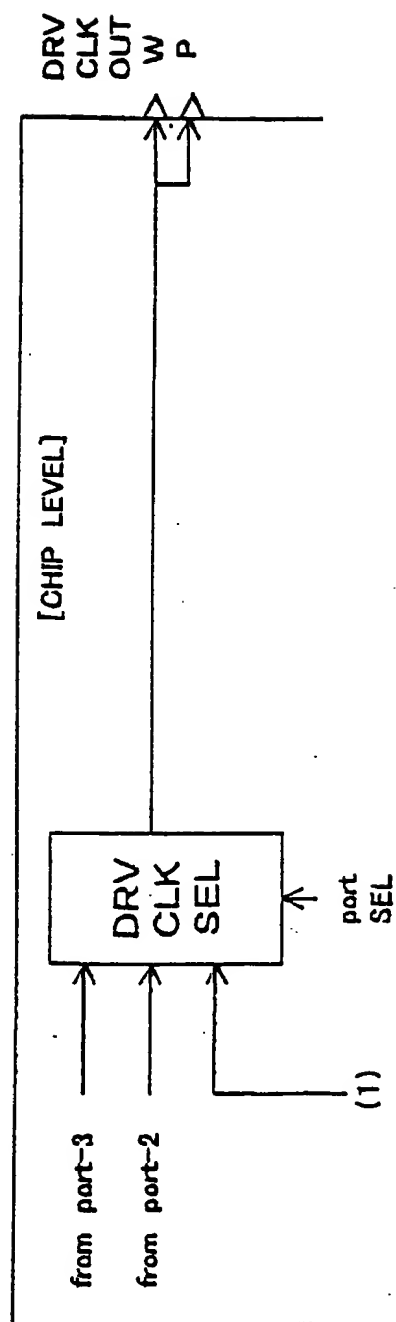


FIG. 5

C-bit												
Idle												
Ones												
Blue												
Frame Format	through	Alarm	STS Format	AIS-P	Alarm	STS Format	PDI-P	Alarm	STS Format	through	Alarm	STS Format
Rx DS3 SEL												
AIS SEL												
STSSD												
Detecting Alarm/ Output Signal Format												
DS3 Rx Sin DWN	Rx LOS	Discard	Discard	Rx LOS	AIS-P	Discard	PDI(1)	Rx LOS	Discard	Discard	Rx LOS	Discard
DS3 Rx00FConv=0	Rx LOF	Discard	Discard	Rx LOF	AIS-P	Discard	PDI(1)	Rx LOF	Discard	Discard	Rx LOF	Discard
Rx 00	Rx LOF	Discard	Discard	Rx LOF	AIS-P	Discard	PDI(1)	Rx LOF	Discard	Discard	Rx LOF	Discard
All Ones	Rx AIS	Discard	Discard	Rx AIS	AIS-P	Discard	PDI(1)	Rx AIS	Discard	Discard	Rx AIS	Discard
	Rx AIS	Discard	Discard	Rx AIS	AIS-P	Discard	PDI(1)	Rx AIS	Discard	Discard	Rx AIS	Discard
Blue	Rx LCD	Discard	Discard	Rx LCD	AIS-P	Discard	PDI(1)	Rx LCD	Discard	Discard	Rx LCD	Discard
	Rx LCD	Discard	Discard	Rx LCD	AIS-P	Discard	PDI(1)	Rx LCD	Discard	Discard	Rx LCD	Discard
DS3	Rx Idle	Discard	Discard	Rx Idle	AIS-P	Discard	PDI(1)	Rx Idle	Discard	Discard	Rx Idle	Discard
Rx Idle	Rx Idle	Discard	Discard	Rx Idle	AIS-P	Discard	PDI(1)	Rx Idle	Discard	Discard	Rx Idle	Discard
RxPLCP00F(PLCP mode)	PL OOF	Discard	Discard	PL OOF	AIS-P	Discard	PDI(1)	PL OOF	Discard	Discard	PL OOF	Discard
RxLCD	Rx LCD	Discard	Discard	Rx LCD	AIS-P	Discard	PDI(1)	Rx LCD	Discard	Discard	Rx LCD	Discard
Unit OOS		Ones-P	Ones-P		Ones-P	Ones-P	Ones-P		Ones-P	Ones-P		Ones-P
Facility OOS		Discard	Discard		Discard	Discard	Discard		Discard	Discard		Discard
Facility Loopback		Discard	Discard		AIS-P	Discard	PDI(1)		Discard	Discard		AIS-P
Terminal Loopback...		through	through		through	through	through		through	through		through

Note: Discard: All of cells are discarded, and Idle cell or Unassigned cell are automatically generated.

PDI(1): Inside signal is Idle cell or depending on software setting.

through: DS3 signal passes through

STSSD-PDI mode isn't used for ATM mode, and is used for only STM mode.

PL OOF= Rx PLCP OOF detection

....: when high layer alarm (BIF-LOS, BIF-OF, AIS-P, UNEQ-P, PLM-P) or DS3 alarm(Tx_All Ones, Tx_Blue, Tx_Idle)

or Tx LCD is detected during T-LB execution, DS3 data from Down-BIF-side does not through to Up-BIF-side.

Because, DS3 data is converted according to conversion Table.

There are two conversion for Down-stream-side(Table 10.2.6) and Up-stream-side(Table 10.2.5).

FIG. 7

C-bit													
Idle													
Ones							Blue						
through			PDI-P				through			AIS-P			
Alarm	STS Format		Alarm	STS Format			Alarm	STS Format		Alarm	STS Format	Alarm	STS Format
Rx LOS	Discard	Rx LOS	AIS-P	LOS	PD(1)	LOS	Discard	Discard	LOS	AIS-P	LOS	LOS	PD(1)
Rx LOF	Discard	Rx LOF	AIS-P	Rx LOF	PD(1)	Rx LOF	Discard	Discard	Rx LOF	AIS-P	Rx LOF	Rx LOF	PD(1)
Rx LOF	Discard	Rx LOF	AIS-P	Rx LOF	PD(1)	Rx LOF	Discard	Discard	Rx LOF	AIS-P	Rx LOF	Rx LOF	PD(1)
Rx AIS	Discard	Rx AIS	AIS-P	Rx AIS	PD(1)	Rx LOF	Discard	Discard	Rx LOF	AIS-P	Rx LOF	Rx LOF	PD(1)
Rx AIS	Discard	Rx AIS	AIS-P	Rx AIS	PD(1)	Rx LOF	Discard	Discard	Rx LOF	AIS-P	Rx LOF	Rx LOF	PD(1)
Rx LCD	Discard	Rx LOD	AIS-P	Rx LOD	PD(1)	Rx AIS	Discard	Discard	Rx AIS	AIS-P	Rx AIS	Rx AIS	PD(1)
Rx LCD	Discard	Rx LCD	AIS-P	Rx LCD	PD(1)	Rx AIS	Discard	Discard	Rx AIS	AIS-P	Rx AIS	Rx AIS	PD(1)
Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PD(1)	Rx Idle	Discard	Discard	Rx Idle	AIS-P	Rx Idle	Rx Idle	PD(1)
Rx Idle	Discard	Rx Idle	AIS-P	Rx Idle	PD(1)	Rx Idle	Discard	Discard	Rx Idle	AIS-P	Rx Idle	Rx Idle	PD(1)
PL OOF	Discard	PL OOF	AIS-P	PL OOF	PD(1)	PL OOF	Discard	Discard	PL OOF	AIS-P	PL OOF	PL OOF	PD(1)
Rx LCD	Discard	Rx LCD	AIS-P	Rx LCD	PD(1)	Rx LCD	Discard	Discard	Rx LCD	AIS-P	Rx LCD	Rx LCD	PD(1)
.	Ones-P	.	Ones-P	.	Ones-P	.	Ones-P	Ones-P	.	Ones-P	Ones-P	Ones-P	Ones-P
.	Discard	.	Discard	.	Discard	.	Discard	Discard	.	Discard	Discard	Discard	Discard
.	Discard	.	AIS-P	.	PD(1)	.	Discard	Discard	.	AIS-P	Discard	Discard	PD(1)
.	through	.	through	.	through	.	through	through	.	through	through	through	through
Remark													
STS-1 All Is													

FIG. 8

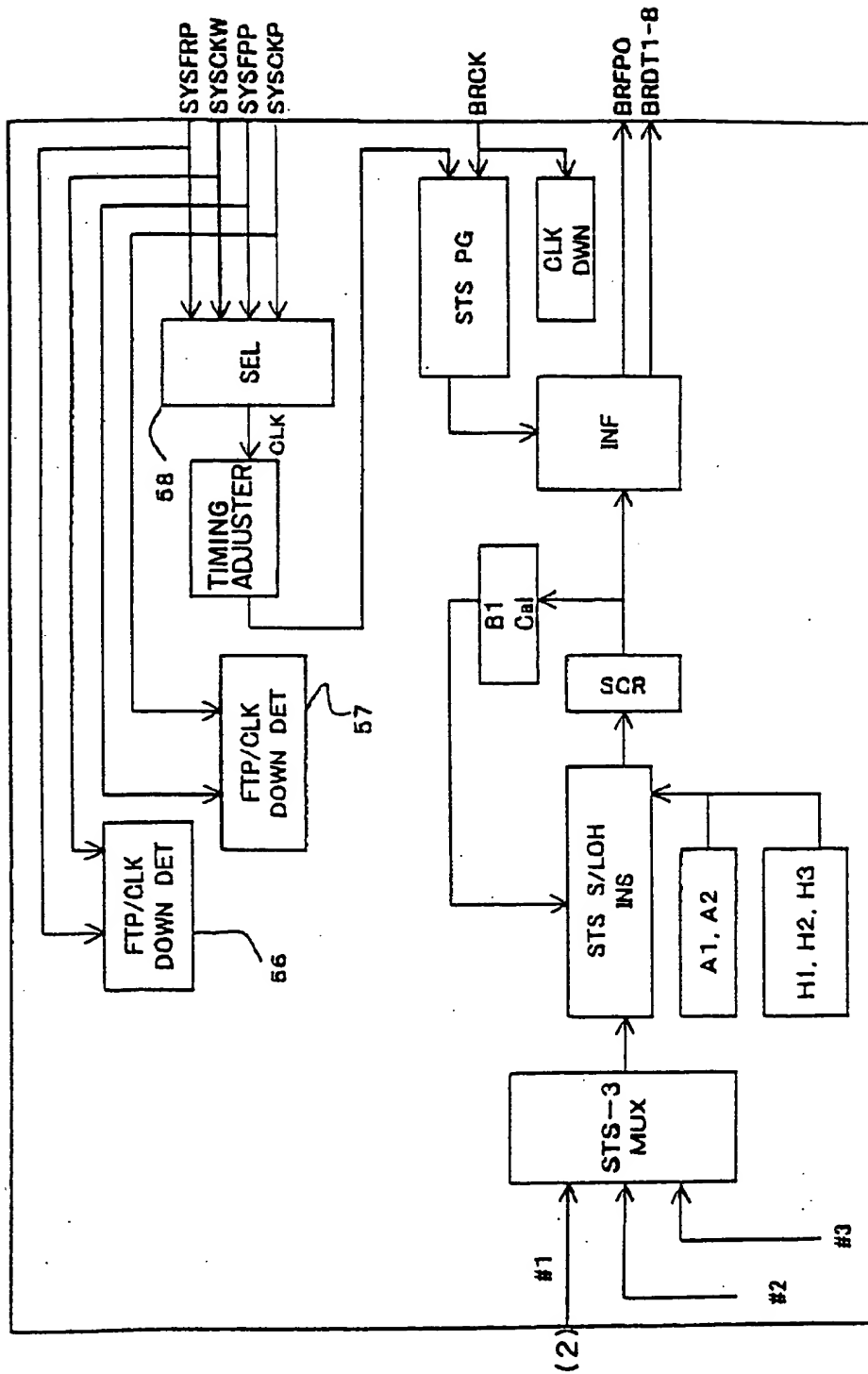


FIG. 9

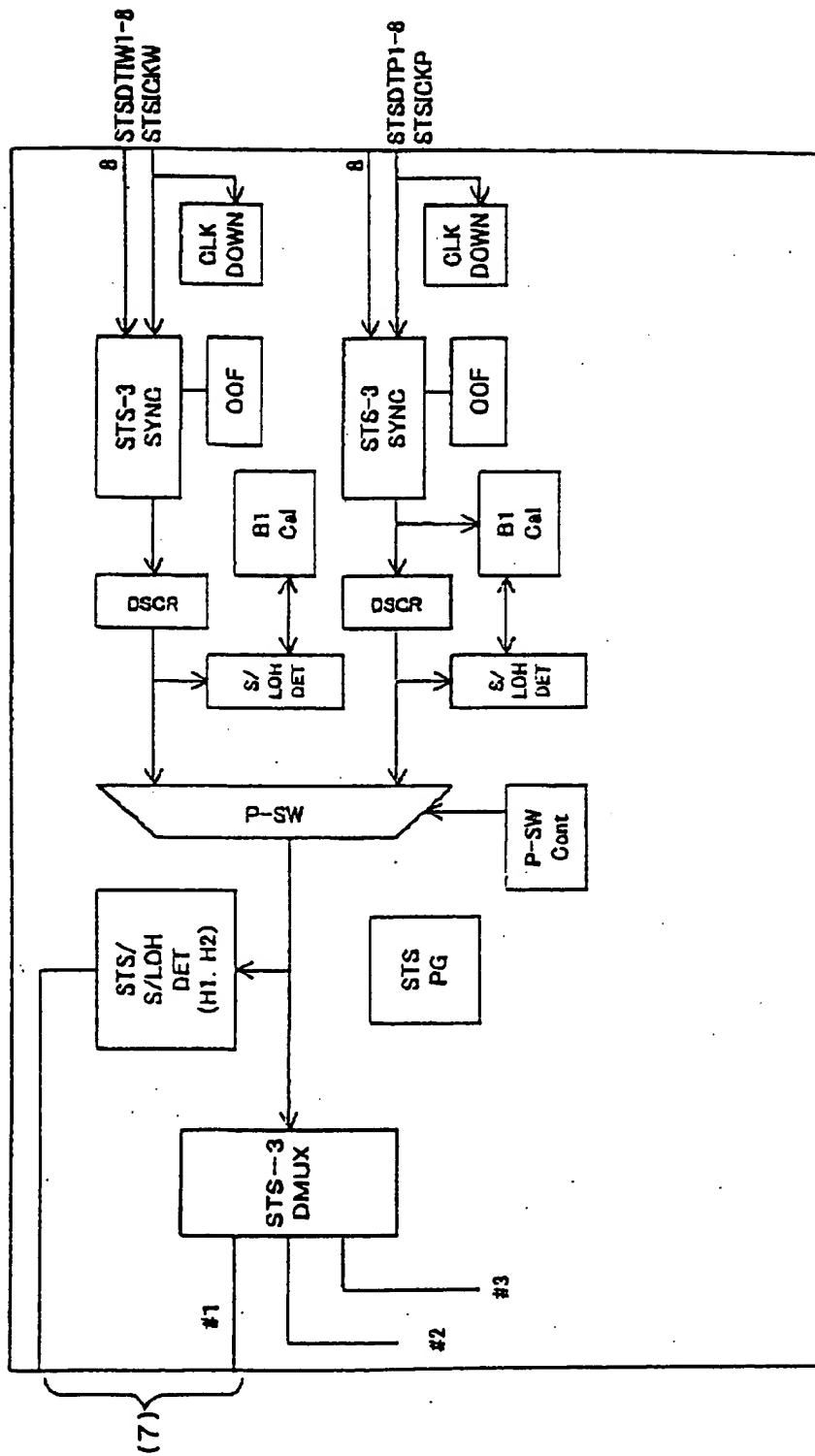


FIG. 10

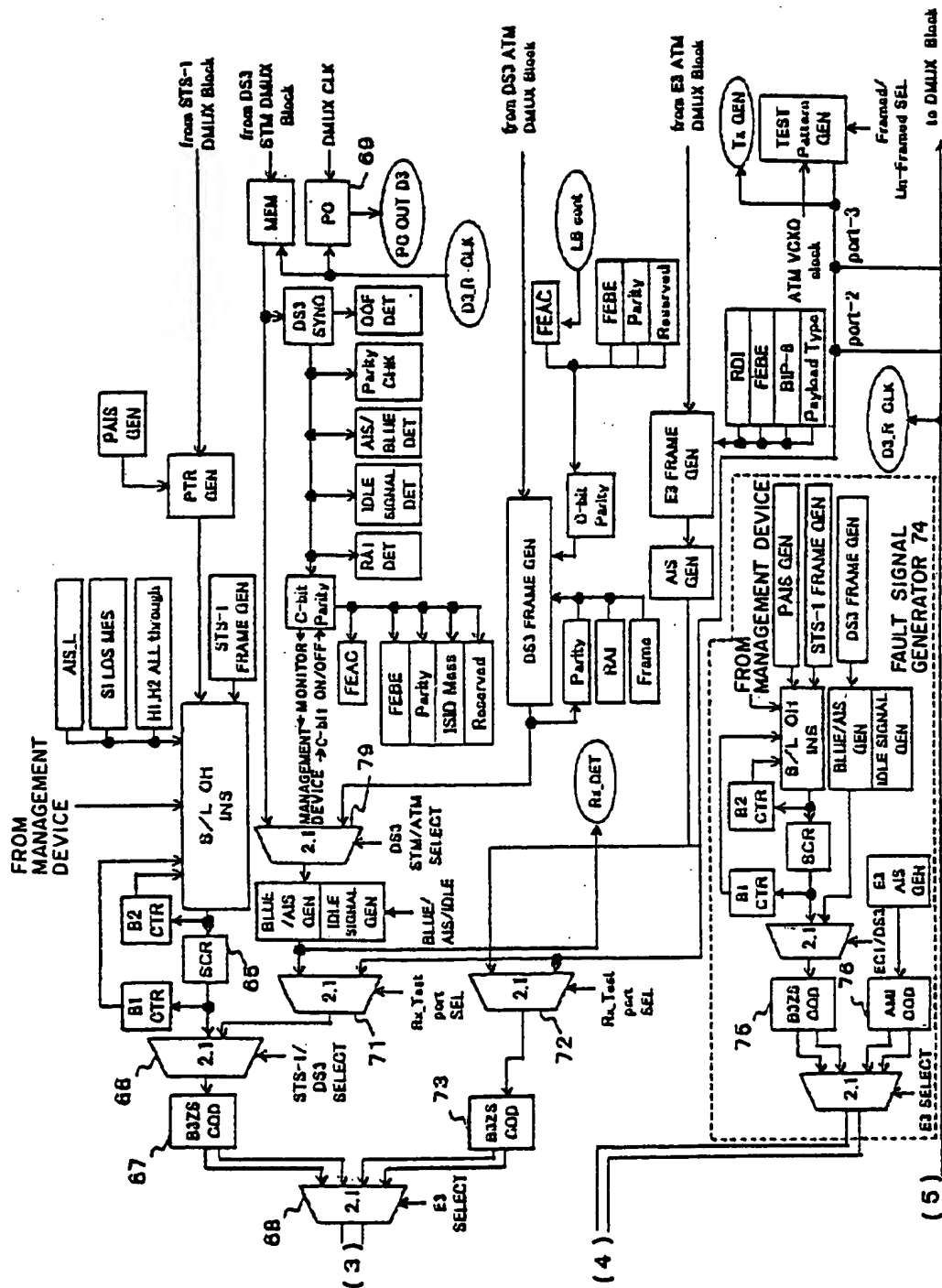


FIG. 12

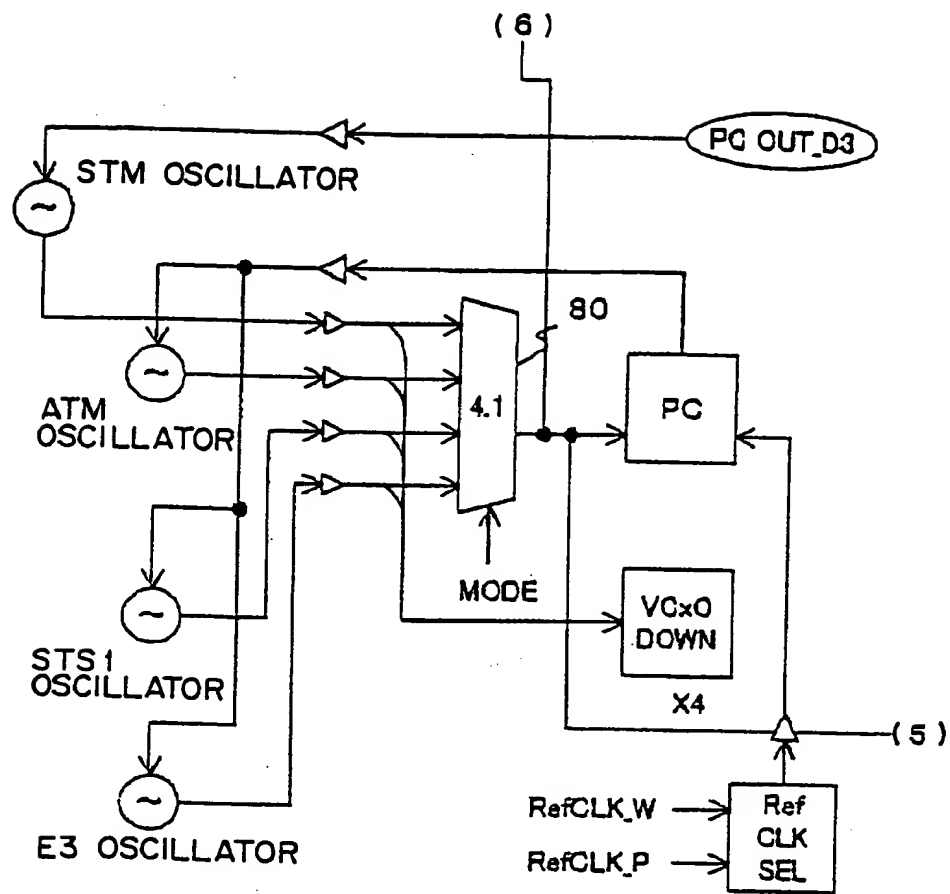


FIG. 13

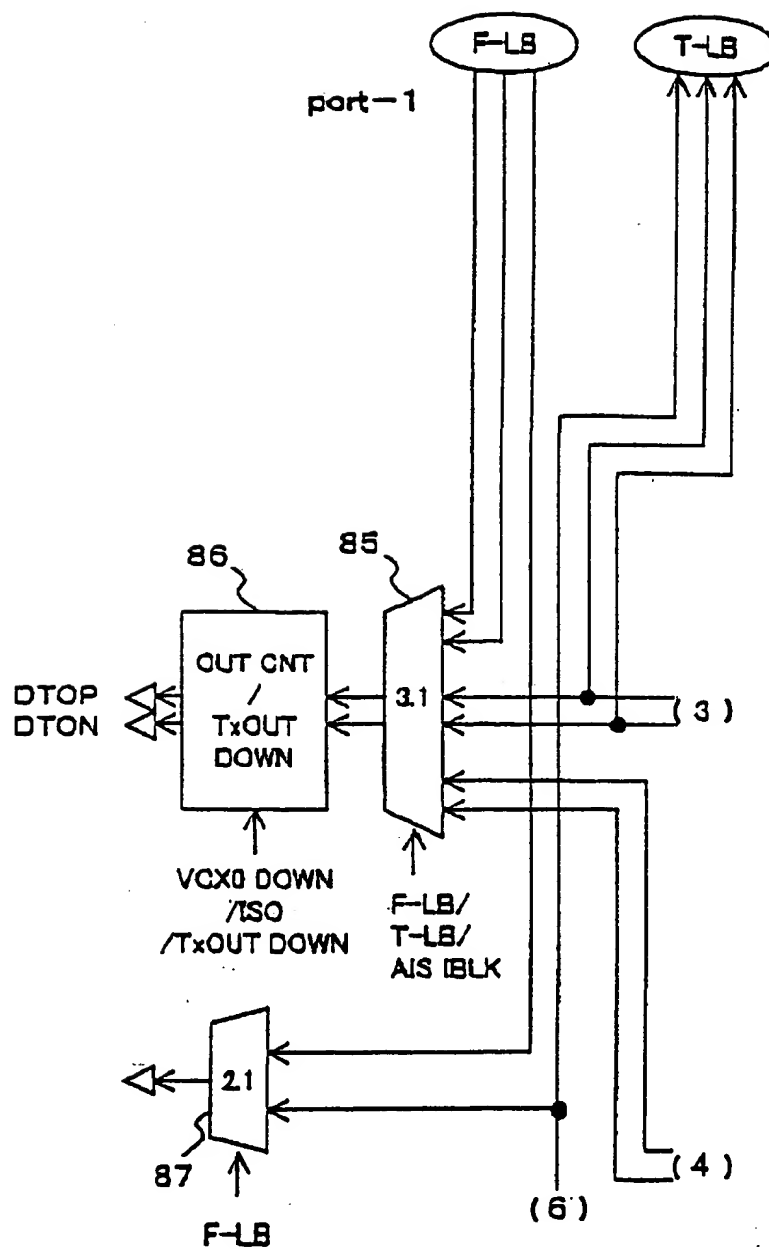


FIG. 14